



PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/709,676
		Filing Date	May 21, 2004
		First Named Inventor	SARKAR, Sujit
		Art Unit	3746
		Examiner Name	Not known
Sheet 1	of 11	Attorney Docket Number	47466-8

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
9/1		US-4,008,041	Feb. 15, 1977	Roffe et al.	
9/1		US-4,140,473	Feb. 20, 1979	Hoehing et al.	
9/1		US-4,140,472	Feb. 20, 1979	Hoehing et al.	
9/1		US-4,289,475	Sept. 15, 1981	Wall et al.	
9/1		US-4,302,177	Nov. 24, 1981	Fankhanel et al.	
9/1		US-2,685,866	Aug. 10, 1954	O.A. Yost	
9/1		US-3,357,407	Dec. 12, 1967	J.P. Fanaritis	
9/1		US-3,052,223	Sept. 4, 1962	P. Profos	
9/1		US-4,109,613	Aug. 29, 1978	Hayden et al.	
9/1		US-3,017,870	Jan. 23, 1962	P. Profos	
9/1		US-5,979,549	Nov. 9, 1999	Meeks	
9/1		US-6,129,148	Oct. 10, 2000	Meeks	
9/1		US-1,150,948	Aug. 24, 1915	V. Laziny	
9/1		US-722,466	Mar. 10, 1903	J.W. Sutton	
9/1		US-715,842	Dec. 16, 1902	R. McKay	
9/1		US-603,502	May 3, 1898	C.H. Fox	
9/1		US-451,245	Apr. 28, 1891	H. Hyde	
9/1		US-355,178	Dec. 28, 1886	W. A. Kirby	
9/1		US-135,996	Feb. 18, 1873	P.J. McMahon	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code*Number*Kind Code* (If known)				

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
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		Number-Kind Code* (if known)			
94J		US-75,296	Mar. 10, 1868	P. Quinn	
94J		US-931,907	Aug. 24, 1909	C. Wegener	
94J		US-301,092	July 1, 1884	S.N. Carvalho	
94J		US-1,421,902	July 4, 1922	J.H. Brown	
94J		US-1,775,962	Sept. 16, 1930	T. Love	
94J		US-1,980,424	Nov. 13, 1934	L.F. Morgan	
94J		US-2,020,686	Nov. 12, 1935	P.W. Kaiser	
94J		US-2,207,654	July 9, 1940	J.H. Brown	
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94J		US-2,304,409	Dec. 8, 1942	L.W. Jeffords	
94J		US-2,312,622	Mar. 2, 1943	J.E. Brantly	
94J		US-3,267,912	Aug. 23, 1966	F. Läubli	
		US-			
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24		US-6,481,641	11-19-2002	Mienay	
24		US-6,481,207	11-19-2002	Miura, et al	
24		US-6,475,409	11-05-2002	Iijima, et al.	
24		US-6,190,628	02-20-2001	Carter	
24		US-6,210,150	04-03-2001	Rosen, et al.	
24		US-5,293,842	03-15-1994	Loesel	
24		US-6,523,348	02-25-2003	Acharya, et al.	
24		US-2002/0152681	10-24-2004	Oh et al.	
24		US-2003/0035766	02-20-2003	Baca et al.	ONLY PORTIONS OF
24		US-2002/0002819	01-10-2002	Gorman et al.	THESE US DOCUMENTS
24		US-2003/0037534	02-27-2003	Sugishita et al.	ARE ENCLOSED, AS
24		US-2003/0024488	02-06-2003	Bingham et al.	ONLY THESE PORTIONS
24		US-2003/0017428	01-23-2003	Reiner, et al.	ARE THOSE OF WHICH
24		US-2002/0157618	10-31-2002	Franke et al.	THE APPLICANT IS
24		US-2002/0017100	02-14-2002	Berndt, et al.	BELIEVED TO BE
24		US-2003/0015321	01-23-2003	Lim, et al.	AWARE
24		US-2003/0000220	01-02-2003	Liebig, et al.	
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
gaw	✓	Portion of CA 1,273,856; Published September 11, 1990; Zorzit	
	✓	Portion of CA 1,128,386; Published July 27, 1982; Viessmann	
	✓	Portion of CA 1,252,352; Published April 11, 1989; Krans, et al.	
	✓	Portion of CA 2,024,816; Published April 18, 1991; Albrecht	
	✓	Portion of CA 1,123,287; Published May 11, 1982; Livingstone	
	✓	Portion of CA 1,166,532; Published May 1, 1984; Styslinger	
	✓	Portion of CA 2,082,502; Published October 29, 1992; Balint, et al.	
	✓	Portion of CA 2,089,612; Published April 17, 1994; Moscone	
	✓	Portion of CA 2,314,844; Published February 2, 2001; Tanaka, et al.	
	✓	Portion of CA 1,259,537; Published September 19, 1989; Buice	
✓	✓	Portion of CA 2,211,983; Published August 28, 1998; Watanabe, et al.	

Examiner Signature	<i>Gregory A. Wilson</i>	Date Considered	6/22/05
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NON PATENT LITERATURE DOCUMENTS			
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JLW	/	Portion of CA 2,094,205; Published October 18, 1993; Nagato, et al.	
	/	Portion of CA 1,099,161; Published April 14, 1981; Jehn, et al.	
	/	Portion of CA 1,080,053; Published June 24, 1980; Michel	
	/	Portion of CA 2,157,221; Published March 9, 1996; Phelps	
	/	Portion of CA 1,170,175; Published July 3, 1984; Sperry, et al.	
	/	Portion of CA 1,260,341; Published September 26, 1989; Paquet	
	/	Portion of CA 1,201,026; Published February 25, 1986; Rees	
	/	Portion of CA 1,129,276; Published August 10, 1982; Angelini	
	/	Portion of CA 2,049,815; Published February 28, 1992; Budin, et al.	
	/	Portion of CA 1,156,886; Published November 15, 1983; Beckett	
↓	✓	Portion of CA 1,050,839; Published March 20, 1979; Woodmansee, et al.	

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NON PATENT LITERATURE DOCUMENTS			
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gaw		Portion of CA 653,200; Published November 27, 1962; Alick, et al.	
		Portion of CA 2,006,576; Published June 22, 1990; Miura, et al.	
		Portion of CA 1,313,088; Published January 26, 1993; Campbell, et al.	
		Portion of CA 1,318,196; Published May 25, 1993; Abdullaly	
		Portion of CA 1,329,323; Published May 10, 1994; Ziemianek	
		Portion of CA 2,058,161; Published June 22, 1992; Huikkonen, et al.	
		Portion of CA 2,060,375; Published August 1, 1992; Soltys, et al.	
		Portion of CA 2,102,835; Published May 14, 1994; Dietz	
		Portion of CA 2,124,432; Published January 7, 1995; Tang	
		Portion of CA 2,163,172; Published June 8, 1996; Campbell, et al.	
Y		Portion of CA 2,186,369; Published October 19, 1995; Hiltunen, et al.	

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gsw		Portion of CA 2,239,391; Published July 2, 1998; Garcia-Mallol	
		Portion of CA 2,383,586; Published March 8, 2001; Woman	
		Portion of CA 525,170; Published May 15, 1956; Alick	
		Portion of CA 561,863; Published August 12, 1958; Alick	
		Portion of CA 788,269; Published June 25, 1968; Fanaritis	
		Portion of CA 1,196,344; Published November 5, 1985; McCallister	
		Portion of CA 1,261,630; Published September 26, 1989; Spangler, et al.	
		Portion of CA 2,096,011; Published May 28, 1992; Corbett, et al.	
		Portion of CA 2,026,455; Published April 4, 1991; Tokuda, et al.	
		Portion of CA 1,133,773; Published October 19, 1982; Bernstein	
y		Portion of CA 1,163,919; Published March 20, 1984; Meeks, et al.	

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gaw		Portion of CA 2,372,547; Published November 9, 2000; Hagan, et al.	
		Portion of CA 1,215,230; Published December 16, 1986; Osman	
		Portion of CA 1,285,899; Published July 9, 1991; Fuderer	
		Portion of CA 2,389,444; Published January 18, 2003; Cargel, et al.	
		Portion of CA 1,235,610; Published April 26, 1988; Downs, et al.	
		Portion of CA 2,105,166; Published October 1, 1992; Valentine	
		Portion of CA 2,373,456; Published October 26, 2002; Tsiurlikov, et al.	
		Portion of CA 2,394,202; Published June 21, 2001; Henkel, et al.	
		Portion of CA 1,166,531; Published May 1, 1984; Rodwell	
		Portion of CA 315,507; Published September 22, 1931; Barnes	
↓		Portion of CA 325,131; Published August 16, 1932; Lucke	

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		Art Unit	3746
		Examiner Name	Unknown
Sheet 9	11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
24w		Portion of CA 325,287; Published August 23, 1932; Lucke	
		Portion of CA 326,507; Published October 4, 1932; Jones	
		Portion of CA 342,249; Published June 12, 1934; Jacobus, et al.	
		Portion of CA 345,165; Published October 9, 1934; Howard, et al.	
		Portion of CA 355,745; Published February 4, 1938; Schmidt	
		Portion of CA 505,241; Published August 17, 1954; Clarkson	
		Portion of CA 611,339; Published December 27, 1960; Theodore	
		Portion of CA 840,746; Published May 5, 1970; Vorkauf	
		Portion of CA 893,491; Published February 22, 1972; Ruhe	
		Portion of CA 1,041,079; Published October 24, 1978; Hapgood	
✓		Portion of CA 1,041,080; Published October 24, 1978; Hapgood	

Examiner Signature	Gregory A. Zilson	Date Considered	6/22/05
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 10		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>JSW</i>		Portion of CA 1,041,081; Published October 24, 1978; Hapgood	
		Portion of CA 1,042,291; Published November 14, 1978; Gibson	
		Portion of CA 1,062,976; Published September 25, 1979; Viessmann	
		Portion of CA 1,088,823; Published November 4, 1980; Regamey	
		Portion of CA 1,091,108; Published December 9, 1980; Siegrist	
		Portion of CA 1,095,347; Published February 10, 1981; Freund	
		Portion of CA 1,125,115; Published June 8, 1982; Shenker	
		Portion of CA 1,238,539; Published June 28, 1988; Dragojevic	
		Portion of CA 1,067,484; Published December 4, 1979; Smith	
		Portion of CA 1,127,143; Published July 6, 1982; Kubo, et al.	
<i>↓</i>		Portion of CA 1,268,999; Published May 15, 1990; Eimlund	

Examiner Signature	<i>Gregory A. Wilson</i>	Date Considered	6/22/05
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		Filing Date	May 21, 2004
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gshw		Portion of CA 1,265,713; Published February 13, 1990; Cooke	
gshw		Portion of CA 2,094,882; Published October 29, 1993; Pascal	
gshw		Portion of CA 788,269; Published June 25, 1988; Fanaritis	
gshw		Portion of CA 2,187,201; Published April 25, 1996; Rice	
gshw		Portion of CA 1,170,174; Published July 3, 1984, Fox	
gshw		Portion of CA 2,033,988; Published December 27, 1990, Fulleman	
gshw		Design aspects of once through systems for heat recovery steam generators for base load and cyclic operation; Brady; Materials at High Temperatures 18(4) 223-229 © 2001 Science Reviews.	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
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